

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No.PG203-10  
DISTRICT G2

REPORT ON PROPOSED GEOTHERMAL OPERATIONS

Archie Nagel  
Archie Nagel  
66970 Estrella Ave.  
Desert Hot Springs, CA 92240

El Centro, Calif.  
May 9, 2003

Your \_\_\_\_\_ proposal to drill well "Nagel" 1, API No. 065-90215, Section 04, T. 03S, R. 05E, S.B.B. & M., Desert Hot Springs field, \_\_\_\_\_ Geothermal Resource Area, Riverside County, dated 5-07-03, received 5-09-03, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. A drilling log and core record, well history and summary are filed within 60 days after completion.
2. The PVC pipe shall comply with ASTM D1785, Standard Specification for PVC plastic pipe schedule 40.
3. The solvent cement and joints shall comply with ASTM D2564 and ASTM D2855, standard specifications for solvent cements and practices for making solvent-cemented joints with PVC pipe and fittings.
4. The 8" casing shall be cemented from 20 feet to the surface.
5. Surface facilities such as well pad or well vault must conform to the Riverside County Health Dept. requirements.
6. A permit is required by the Riverside County Health Department to construct this well.
7. **THIS DIVISION SHALL BE NOTIFIED:**
  - a. One day prior to the commencement of drilling.
  - b. To witness the cementing of the 6 inch casing.

NOTE:

1. Call the office of the Division of Oil, Gas, & Geothermal Resources for field engineer. (760) 353-9900(24 hours).
2. Geothermal water discharge is regulated by the California Regional Water Quality Control Board (CRWQCB), Colorado River Region. The CRWQCB should be contacted concerning requirements and permits regarding geothermal water disposal at (760) 346-7491.
3. The proposed well's location is on Marion Way on top of hill, Desert Hot Springs, CA.
4. This well is proposed to supply hot water to a pool/spa on Marion Way.

cc: Sacramento Geothermal Unit  
Sam Crum Water Well Drilling, Inc.  
Calif. Regional Water Quality Control Board  
Riverside County Health Dept.  
Mission Springs Water District  
Coachella Valley Water District

Hal Bopp, Jr.  
State Oil and Gas Supervisor

By Michael L. Woods  
Michael L. Woods  
District Geothermal Engineer

*A copy of this report and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after completion, suspension, or abandonment.*  
OGG111

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

API Well Number 065-90215

**NOTICE OF INTENTION TO DRILL A GEOTHERMAL RESOURCES WELL**

(Submit in duplicate)

Operator <b>Archie Nagel</b>		Well Designation <b>"Nagel" 1</b>				
Field or GRA <b>Desert Hot Springs</b>		County <b>Riverside</b>	Sec. <b>04</b>	T. <b>03S</b>	R. <b>05E</b>	B.&M. <b>SB</b>
Name (Person submitting report) <b>Archie Nagel</b>		Street Address <b>66 970 Estrella Ave.</b>				
Title (Agent or officer of company) <b>Agent</b>	City <b>Desert hot Springs</b>	State <b>CA</b>	Zip Code <b>92240</b>			

Signature [Signature] Date 5-21-03 Telephone Number (760) 288-3260

The appropriate drilling fee, an indemnity or cash bond, a complete drilling program, and a parcel map showing the operator's surface rights, mineral rights, and the location of the proposed well must accompany this notice.

Location of well: \_\_\_\_\_ meters \_\_\_\_\_ along section/property line, and \_\_\_\_\_ meters \_\_\_\_\_ at right angles to said line  
(Direction) (Cross out one) (Direction)

from the \_\_\_\_\_ corner of section/property \_\_\_\_\_ or \_\_\_\_\_  
(Cross out one)

Elevation of prepared site above/below sea level: \_\_\_\_\_ meters.

yes no

Is the surface location or intended production interval within 100 feet of property boundary? ☐ ☐

If well is to be directionally drilled, show proposed coordinates (from surface location) at total depth:

\_\_\_\_\_ meters \_\_\_\_\_ and \_\_\_\_\_ meters \_\_\_\_\_  
(Direction) (Direction)

**PROPOSED CASING PROGRAM**

All depth measurements taken from top of \_\_\_\_\_ that is \_\_\_\_\_ meters above ground.  
(Derrick Floor, Rotary Table, or Kelly Bushing)

SIZE OF CASING CM API	WEIGHT (Kg)	GRADE AND TYPE	NEW OR USED	TOP OF CASING (m)	SIZE OF HOLE (cm)	VOLUME OF CEMENT (m3)	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING
<b>8 5/8"</b>		<b>Steel</b>		<b>0</b>	<b>9 7/8"</b>	<b>2.52 cf</b>	<b>20'</b>	<b>Surface</b>
<b>5 1/2"</b>		<b>PVC</b>		<b>0</b>	<b>8"</b>	<b>N/A</b>	<b>400'+/-</b>	<b>Not Cemented</b>

Intended zone(s) of completion: Alluvium Estimated total depth: 120 meters.  
(Name, depth, and expected pressure)

**ENVIRONMENTAL INFORMATION**

(See reverse side)

If a governmental agency has prepared an environmental document, please submit a copy of the document with this notice or supply the following information:

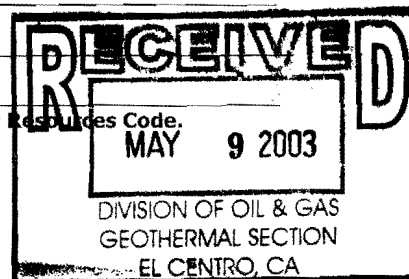
Governmental Agency: \_\_\_\_\_ Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Document title: \_\_\_\_\_ S.C.H. No.: \_\_\_\_\_

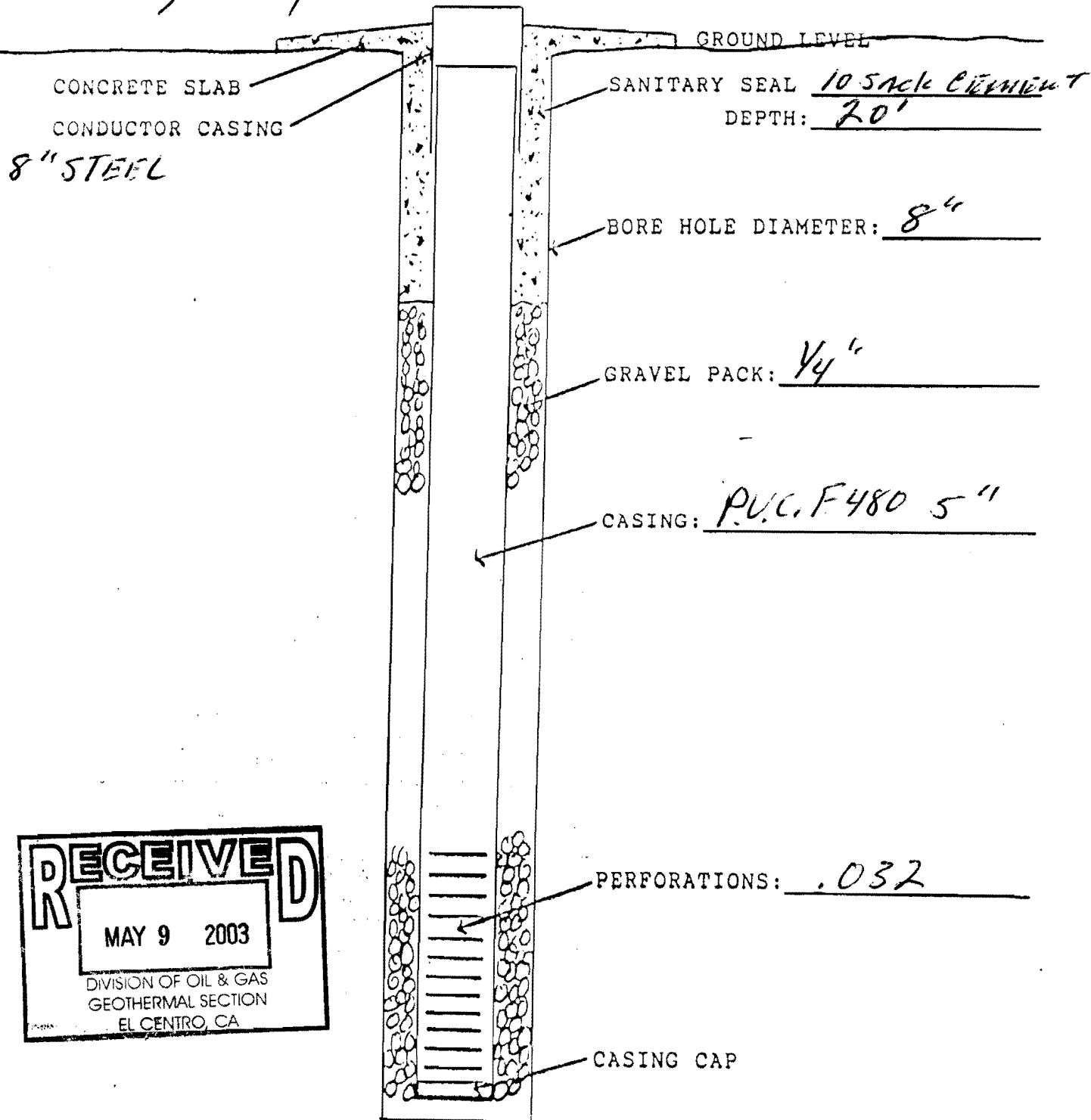
Submitted in compliance with Section 3724, Division 3, Chapter 4, Public Resources Code.

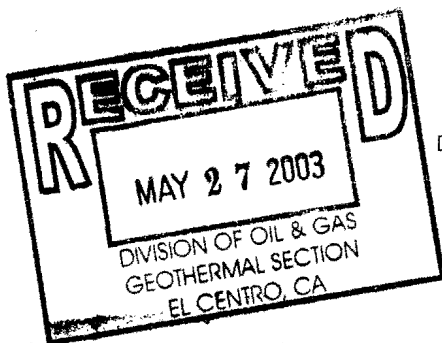
OGG105



SAM CRUM WATER WELL DRILLING, INC.  
LIC. NO. #593583  
P.O. BOX 577  
HEMET, CA. 92546-0577  
PHONE: (909) 658-8805/FAX. (909) 929-7321  
E-MAIL SCDRILLIN@EARTHLINK.NET

Customer: ARCHIE NAGEL  
Address: ~~END~~ END OF MARION WY on HILL  
City: DESERT HOT SPRING  
APN 656 280 032  
SEC. 4, T3S, R5E





STATE OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES  
**GEOTHERMAL  
DESIGNATION OF AGENT**

(For Individuals and Partnerships Only)

In compliance with Section 3721 of the Public Resources Code, notice is hereby given and I hereby certify

that I, Archie Nagel, of Archie Nagel,  
(Name) (Name of Operator)  
of Desert Hot Springs, State of California, have appointed, authorized, and empowered  
(City)  
Archie Nagel, whose address (where legal papers may be served) is  
(Name of Individual)  
66970 Estrella Ave., Desert Hot Springs, California 92240,  
(Street Address and P.O. Box) (City) (Zip Code)  
(760 ) 288-3260, as my agent for the State of California\*  
(Telephone Number) (My, Our)

upon whom all orders, notices, and processes of the Supervisor or any court of law may be served. This notice revokes all former appointments made for this purpose. IN WITNESS WHEREOF, I have signed this certificate on

Archie Nagel 5-21-2003  
(Date) (Year)

By Archie Nagel  
(Signature)  
Owner  
(Title)  
Archie Nagel  
(Printed or Typed Name of Operator)

Witness: Sam Crum  
(Signature)  
Sam Crum  
(Printed or Typed Name)

Acceptance of Appointment as Agent:  
Accepted Archie Nagel 5-21-03  
(Signature) (Date)

**Sec. 3721.** Every owner or operator of any well shall designate an agent, giving his or her address, who resides in this state, to receive and accept service of all orders, notices, and processes of the supervisor or any court of law. Every person so appointing an agent shall, within five days after the termination of the agency, notify the supervisor, in writing, of the termination, and unless operations are discontinued, shall appoint a new agent.

NOTE: An operator may appoint himself or herself as agent.

\* Should the owner or operator filing this form choose to appoint more than one agent, the phrase "the State of California" should be deleted and the exact area for which the agent is to be appointed should be inserted in the blank. If more space is needed, please use the reverse side. A separate form must be filed for each agent appointed.

OGG134B (2/91/GSR1/2C)

NEW DRILL ROUTE SHEET

ATTN: June Ung	DATE : May 27, 2003	
FROM: Sylvia Villegas	DISTRICT: G2 El Centro	
OPERATOR: Archie Nagel	OPERATOR CODE: <input checked="" type="checkbox"/> New NAGEL	AGENT FORM <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> On File

WELL INFORMATION

DESIGNATION Nagel 1	API NUMBER 065-90215
LOCATION 4/3S/5E	FIELD/COUNTY Desert Hot Springs

DRILLING FEE

FROM Sam Crum Water Well Drilling, Inc.	AMOUNT \$ 200.00
TEL # (909) 658-8805	CHECK NO. 17164

BOND INFORMATION

<input type="checkbox"/> Individual Geothermal Resources Well Cash Bond <input type="checkbox"/> Individual Geothermal Resources Well Indemnity Bond <input type="checkbox"/> Blanket Geothermal Resources Well Indemnity Bond <input type="checkbox"/> Blanket Geothermal Resources Well Cash Bond	<input type="checkbox"/> Cashiers Check <input type="checkbox"/> Certified Check <input type="checkbox"/> Certificate of Deposit <input type="checkbox"/> Passbook Account	AMOUNT \$
BANK/SURETY	NO.	
BOND NO.	DATED	

REMARKS:

This well is a non-commercial low temperature geothermal well.